

724



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FULL-WAVE VACUUM RECTIFIER

GENERAL DATA

Electrical:

Heater, for Unipotential Cathode:

Voltage. 6.3[□] ac or dc volts
 Current. 0.9^{□□} amp

Mechanical:

Mounting Position. Any
 Maximum Overall Length. 3-5/32"
 Maximum Seated Length. 2-5/8"
 Maximum Diameter. 1-3/16"
 Bulb. T-9
 Base. Lock-in 8-Pin
 Basing Designation for BOTTOM VIEW. 5AB

Pin 1 - Heater

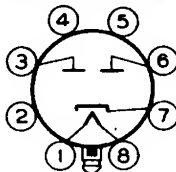
Pin 2 - No

Connection

Pin 3 - Plate No.2

Pin 4 - No

Connection



Pin 5 - No

Connection

Pin 6 - Plate No.1

Pin 7 - Cathode

Pin 8 - Heater

Plug - Base Shell

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

PEAK INVERSE PLATE VOLTAGE. 1250 max. volts
 PEAK PLATE CURRENT PER PLATE. 300 max. ma
 DC OUTPUT CURRENT. 100 max. ma
 PEAK HEATER-CATHODE VOLTAGE:
 Heater negative with respect to cathode. 450 max. volts
 Heater positive with respect to cathode. 450 max. volts

Typical Operation:

	Capacitor- Input to Filter	Choke- Input to Filter	
AC Plate-to-Plate Supply			
Voltage (RMS) . .	650	900	volts
Min. Total Effective Plate- Supply Impedance per Plate*	75	-	ohms
Min. Filter-Input Choke. . . .	-	6	henries
DC Output Current.	100	100	ma
DC Output Voltage at Input to Filter (Approx.):			
At half-load (50 ma.)	400	365	volts
At full-load (100 ma.)	365	350	volts
Voltage Regulation (Approx.):			
Half-load to full load current	35	15	volts

* When a filter-input capacitor larger than 40 μ f is used, it may be necessary to use more plate-supply impedance than the minimum value shown to limit the peak plate current to the rated value.

□ Nominal voltage = 7.0 volts.

□□ Nominal current = 0.96 ampere.

DEC. 30, 1947

TUBE DEPARTMENT

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA